

Lake County Solid Waste

Scope of Work

Chemical Storage Hazmat Locker

Dimensions: 10 ft (L) × 16 ft (W)

Single Door, Electrical System, Rust-Resistant Ventilation System, Storage Shelving

1. Project Overview

Provide the design, fabrication, delivery, installation, and maintenance planning for a fully compliant chemical storage hazmat locker featuring a single-entry door, corrosion-resistant ventilation, integrated electrical system, and fixed or adjustable chemical-resistant shelving.

2. Dimensions & Structure

Overall size: 10 ft (L) × 16 ft (W)

Heavy-duty steel construction engineered for hazardous material environments

Industrial rust-inhibiting exterior and interior coatings

Integrated spill-containment sump meeting OSHA/EPA requirements

Corrosion-resistant flooring and structural components

3. Door System

One fire-rated, corrosion-resistant steel personnel door

Self-closing mechanism and keyed locking handle

Weatherstripping and moisture intrusion protection

Lake County Solid Waste

4. Ventilation System (Rust-Resistant)

Passive or mechanical cross-flow ventilation for vapor dispersion

Vent housings constructed from stainless steel or coated aluminum

Explosion-proof exhaust fan as required by chemical classification

Compliant with NFPA, OSHA, and EPA ventilation guidelines

5. Electrical System

NEC-rated electrical system for hazardous locations

Interior LED lighting (explosionproof if needed)

Hazard-rated conduit, wiring, and junction boxes

Weather-protected exterior switches

Full grounding and bonding system

6. Storage Shelving System

Heavy-duty shelving constructed of chemical-resistant materials such as:

Powder-coated steel

Galvanized steel

Polyethylene-lined or spill-containment shelves (optional)

Minimum shelving package includes:

Two (2) full-length shelving rows along interior sidewalls

Each shelf rated for chemical storage (load rating to be specified)

Adjustable shelf height via slotted uprights (optional)

Integrated spill trays or lip-edge containment to prevent chemical runoff

Corrosion-resistant fasteners and mounting hardware

Anchored to internal framing for stability during loading/unloading

7. Safety & Compliance Features

NFPA hazard placards, “No Smoking,” and operational signage

Non-sparking interior hardware

Emergency ventilation or explosion-relief features (as required)

Chemical-resistant floor and coatings

8. Delivery & Installation

Delivery to job site using appropriate transport equipment

Leveling, anchoring, and secure installation

Integration of electrical, ventilation, shelving, and safety systems

Post-installation compliance and functionality inspection